VORNADO®

READ AND SAVE THESE INSTRUCTIONS
Evaporative Vortex Humidifier Owner's Guide

LEER Y GUARDAR ESTAS INSTRUCCIONES
Guía para el usuario

LISEZ ET CONSERVEZ CES INSTRUCTIONS
Manuel d'utilisation

www.vornado.com

models EVAP1 and EVAP3

Designed, engineered and supported in Andover, Kansas.
Pensado, diseñado y respaldado en Andover, Kansas.
Conception, mise au point et soutien technique effectués à Andover, au Kansas.

Questions or comments?
¿Prequntas o comentarios?
Questions ou commentaires?

www.vornado.com

consumerservice@vornado.com

800.234.0604

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Unpacking Your Humidifier

Remove your Humidifier from carton by lifting from bottom of unit. Lifting by recessed handle on Water Tank, may cause Tank to detach and unit to fall and cause damage.

We recommend checking the Base and Water Tank for leaks that may have occurred due to damage caused in shipping. Please note a visual inspection may not reveal hairline fractures.

To Check for Leaks:
Place Humidifier on a water-resistant surface.
Fill Water Tank and Base with water to inspect for leaks (For instructions see FILLING WATER TANK.)

Not Leaking?
Empty water from Base and install full Water Tank (For instructions see FILLING WATER TANK.)

Leaking?
In the remote chance your Humidifier has leaks, contact Vornado Consumer Services and we will immediately replace damaged parts.

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Français p. 27

IMPORTANT INSTRUCTIONS

READ AND SAVE ALL INSTRUCTIONS BEFORE USING THIS HEATER.

When using electrical appliances, basic precautions should always be followed to reduce the risk of fire, electrical shock and injury to persons, including the following:

- **DO** read all instructions before using this Humidifier.
- **DO** turn the Humidifier off if the relative humidity exceeds 60%. Humidity levels above 60% may allow moisture to build up indoors and condense on surfaces, where microorganisms can settle and grow. For accurate humidity readings, use a hygrometer which is available at most hardware stores and home centers.
- **DO** unplug the Humidifier prior to moving, cleaning or refilling.
- **DO** unplug and empty this Humidifier when not in operation.
- **DO** empty water from the unit if the Humidifier is to be turned off and left for more than 12 hours, as leaving the water will encourage the growth of microorganisms. If this happens, thoroughly clean and disinfect the unit. (Refer to the WEEKLY MAINTENANCE.)
- **DO** remove the Water Tank first if you need to move the Humidifier to another location.
  This Humidifier requires periodic cleaning. Refer to the WEEKLY MAINTENANCE instructions provided. **DO NOT** clean the Humidifier in any manner other than as instructed in this manual.
- **DO NOT** use this Humidifier on an uneven surface. Always place this Humidifier on a firm, flat surface.
- **DO NOT** defeat the safety purpose of the polarized plug. This product is equipped with a polarized alternating current line plug (a plug having one blade wider than the other). This plug will fit into the power outlet only one way. This is a SAFETY FEATURE. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact an electrician to replace the obsolete outlet.
- **DO NOT** operate the Humidifier with a damaged cord or plug, after the Humidifier malfunctions, or has been dropped or damaged in any manner. Return to Vornado for examination, electrical or mechanical adjustment or repair.
- **DO NOT** run power cord under carpeting.
- **DO NOT** cover cord with throw rugs, runners or similar objects. Arrange the power cord away from traffic areas, so it will not become a tripping hazard.
- **DO NOT** place the Humidifier near heat sources such as stoves, radiators or heaters.
- **DO NOT** pour water through the top Outlet Air Grill on the Power Head.
- **DO NOT** use undiluted bleach or ammonia, strong detergents, abrasive cleansers, gasoline, paint thinner or other solvents to clean this Humidifier. Use only water and mild detergents to perform daily maintenance on your Humidifier.
- **DO NOT** ATTEMPT TO DISASSEMBLE THE POWER HEAD. DOING SO WILL VOID YOUR WARRANTY AND COULD CAUSE DAMAGE AND/OR PERSONAL INJURY. The Power Head contains no user serviceable parts. If you experience a problem, please see the limited warranty for information.
- **DO NOT** repeatedly remove and replace the Water Tank. This will only fill the Base and water will spill out.
- Humidifiers should be kept away from children and not be placed in a child's room without supervision.
- See page 5 for parts listing and identification.
- If you have any questions regarding this product, please call Vornado Consumer Service, toll-free at 1-800-234-0604, or consumerservice@vornado.com.

SAVE THESE INSTRUCTIONS

Trust.

It is said that trust isn't given, but earned. For decades Vornado has been earning the trust of our customers by offering them only the best. Vornado provides the highest level of performance, coupled with the highest level of support available. Complete satisfaction with no exceptions – this is Vornado's promise to you. If you are not satisfied for any reason, please contact us. Knowledgeable representatives are available at 1-800-234-0604 from 7:00 AM to 6:00 PM CST. A wealth of additional support is also available online at www.vornado.com. On behalf of myself and the entire staff at our Andover, Kansas headquarters – thank you for selecting Vornado.

Sincerely,
Bill Phillips
CEO, Vornado Air

Find our complete product line at www.vornado.com

The Vornado Difference

The Vornado Vortex assisted humidifier distributes moisture farther into the room, enabling faster humidification. By incorporating Vornado's exclusive Vortex Action, the humidifier moves large volumes of harsh, dry air through two specially designed filters and circulates the moistened air throughout the room, providing complete and even humidification.

Product Information

1 Control Panel
Easily adjust Fan Settings and set Humidity level: 35% - 60% or Continuous.

2 Power Head
Powerful motor circulates moist air throughout the whole room.

3 Air Outlet Grill
Initiates Vornado's signature Vortex circulation.

4 Humidistat
Reads humidity in the room for automatic humidity control.

5 2 Vornado Evaporative Filters
Wick up water.

6 Inlet Grills
Designed for efficient air intake.

7 Base
Durable, leak-resistant construction.

8 Water Tank
Large 1.5 gallon capacity allows for fewer refills.

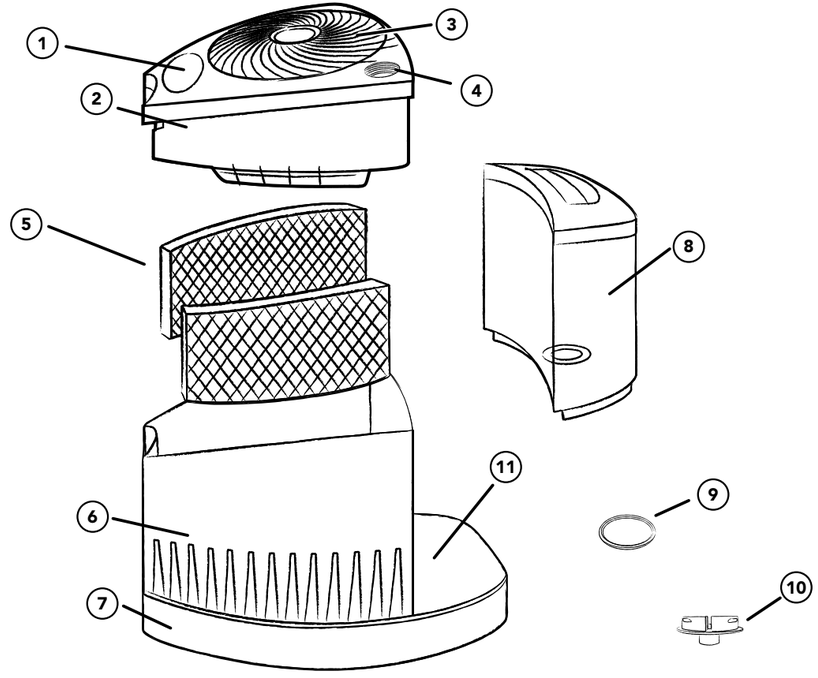
9 Gasket
Creates a waterproof seal between Cap and Water Tank.

10 Cap
Easy-to-remove Cap for convenient Water Tank refilling.

11 Fill Port
Releases water from Water Tank into Base.

EVAP3 Item #	HU1-0034-06
EVAP1 Item #	HU1-0021-28
Model	EVAP3
Model	EVAP1
Warranty	5 Year Limited
Vornado Evaporative Filters (2 pack)	MD1-0002

Product Information

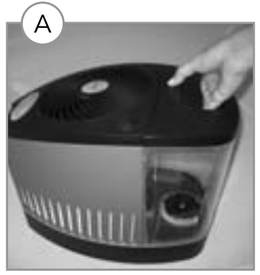


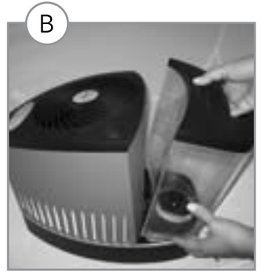
Getting Started

Filling Water Tank
This Humidifier has a 1.5 gallon capacity and 2.6 gallon output in 24 hours (if set to High Fan Speed, Continuous Humidity setting).

To fill Water Tank:

1. Unplug Humidifier. Place on firm and level surface, such as the floor.
   Note: Spills can occur during cleaning, moving, or refilling Water Tank, so be careful to avoid spills when doing these activities.
2. Remove Water Tank by grasping recessed handle on top (A). Pull outward and lift (B).
3. Turn Water Tank upside down.
4. Remove Cap (C). Empty any remaining water inside Water Tank. Rinse, wipe clean and dry with clean cloth or paper towel.
5. Place Water Tank in sink with opening at the top.
6. Fill Water Tank with cool tap water (D).
7. Ensure Gasket is properly positioned and secure Cap.
8. Lower Water Tank into Base, positioning Fill Port over raised bump in Base. Once in nested position, the water outlet valve inside Cap will open, releasing water into Base.





How to Use Humidifier Controls

EVAP3 Pictured

Read and understand this owners guide before operating this product. Position unit to not blow directly on objects or plants. Plug unit into a 110-120 volt AC outlet.

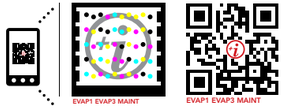
Power Button (A) - turns the unit On or Off. LED indicator lights will illuminate default settings when powered On. Unit will default to High Fan Speed, Continuous Humidity.

Fan Setting Button (B) - select desired Fan Setting. On the EVAP3 select - Low, High or Auto. On the EVAP1 select - Low (I), Medium (II) or High (III).
Low or (I) - operation for quiet, nighttime use or smaller rooms. On Low operation, your Humidifier may run without refilling for extended periods.
Medium or (II), EVAP1 Only - operation for normal use.
High or (III) - operation for fast humidification for larger rooms. High speed operation will evaporate 2.6 gallons of water (+/- 10%) in 24 hours of continuous operation. (This assumes room conditions of 70° F and 30% relative humidity.)
Auto, EVAP3 Only - operation for more precise humidity control. Fan speed will fluctuate to better maintain set humidity level with the minimal amount of fan noise.

Humidity Button (C) - sets desired humidity level. Press Humidity Button until desired humidification level is illuminated, 35% - 60% or Continuous. The unit will operate until the desired humidity level is reached, at this point, the fan will turn Off and the fan speed indicator light will turn Off. The humidity level indicator light will remain On. If the fan does not turn on, the set humidity level may be lower than the room humidity level. Increase the humidity set point until the fan turns On. This is an indication of the level of humidity already in the room. If moisture forms on walls or windows, lower humidity settings or turn Off Humidifier.

Cleaning and Maintenance

Filter Replacement
The Filters may accumulate minerals and other impurities that occur naturally in any water supply. While your Humidifier came equipped with two Filters, you will eventually have to replace them.



View filter replacement tutorial on your mobile device.

When to Replace: Many factors affect the frequency in which the Filters will need to be replaced - including amount of use, water hardness, and outside environmental factors. For heavy use, using the unit continuously, we recommend replacing the Filters approximately once a month. For lighter use, using the unit intermittently, we recommend replacing the Filters every two months.

The Filters will need to be replaced earlier if the Filters become hard or are no longer absorbing the water effectively. Replace Filters with only genuine Vornado® brand Filters. While other brands may fit our units, these Filters do not carry the same quality and life as our own and can diminish the Humidifier's performance.

How to Replace:

1. Turn the unit off and unplug. Remove Power Head (A).

A

2. Remove and discard used Filters (B).

B

3. Install new genuine Vornado Filters by making sure they are flush against the sides of the unit and touching the bottom of the Base.

4. Replace Power Head. Your Humidifier is now ready for use.

Cleaning and Maintenance

Cleaning Instructions
Proper cleaning of your Evaporative Vortex Humidifier is essential to the air quality and performance of your unit. The frequency in which your Humidifier will need to be cleaned will vary, depending on use, water hardness, and outside environmental factors. It is recommended, assuming average use, to thouroughly clean the unit several times throughout the season, or when algae, mineral deposits or other particles begin to form.

To clean:

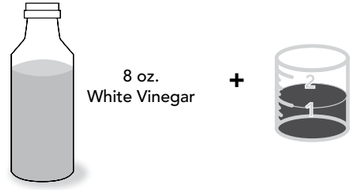
1. Turn the Humidifier Off and unplug. Do not submerge in water.
2. Remove Power Head and Filters (See FILTER REPLACEMENT for instructions).
3. Remove Water Tank and Inlet Grill. To remove Inlet Grill, undo the latch (A) and lift (B).

A

B

4. Empty water from Base and Water Tank. (See FILLING WATER TANK for instructions).
   Note: Do not operate the unit during cleaning.
5. Fill Base and Water Tank with a mixture of water and white vinegar - mixed at a ratio of one (1) 8 oz. cup of undiluted white vinegar per 1 gallon of water (C). Do not overfill, discard unused portion. Solution should remain in Base and Water Tank for 20 minutes to dissolve any residue.

C



6. Empty after 20 minutes and clean all interior surfaces of Base and Water Tank with soft brush. Dampen soft cloth with undiluted white vinegar and wipe down to remove scale.
7. Rinse thoroughly with clean warm water before disinfecting.

To Disinfect:

1. Fill Base and Water Tank with a mixture of water and chlorine bleach - mixed at a ratio of one (1) teaspoon of chlorine bleach per 1 gallon of water (D). Do not overfill, discard unused portion. Solution should remain in Base and Water Tank for 20 minutes to fully disinfect.

D

2. Rinse with water until bleach smell is gone. Dry with clean cloth or paper towel.
3. Reinstall all components. Components must be securely in place for unit to function properly.

Operating Tips and Recommendations

- **For best results:**
  1. Allow for optimum airflow by keeping the grill unobstructed. Ensure curtains and other items are far enough away from the unit to not be pulled into the side inlets or interfere with airflow.
  2. Do not turn the unit off and on - allow your Humidifier to operate continuously. This will help maintain the desired humidity level in your home, cost only pennies a day, and will not damage the unit.
- It is normal and expected for your Humidifier to run continuously for a few days in order to raise the moisture content of the air to the desired level upon initial use or if the air is extremely dry. When your home and its furnishings have absorbed sufficient moisture and become stabilized at the desired humidity level, the amount of water used will decrease.
- If you operate your Humidifier continuously, it may need to be refilled with water every day. Simply look through the Water Tank to be certain that there is adequate water supply for operation. When the water level drops below the operating level, the unit will not be producing humidity.
- Protect the Water Tank from damage. Any cracks or damage to the Tank may cause it to leak water onto the floor or other surfaces.
- If the Humidifier is turned Off, with water in the unit, and not turned back on for 8 hours or longer, or if the unit is not cleaned as recommended, you may experience some growth of algae or bacteria. These microorganisms may become airborne. Thoroughly clean the unit to eliminate any microorganisms (See CLEANING AND MAINTENANCE for instructions).
- Your Evaporative Vortex Humidifier is effective at supplying necessary moisture to dry air. It should be used with proper care to prevent over-humidification. To know if the humidity level is too high, gauge the condensation or frost on windows. Adjust your Humidifier to a point where this condition is at a minimum.

Storage

1. Thoroughly clean unit (See CLEANING INSTRUCTIONS).
2. Remove and discard used Filters (See FILTER REPLACEMENT). Be sure to buy a new Filters now so you are ready for next season!
3. Empty Water Tank and Base. Let unit dry completely.
4. Place in original retail carton if available.
5. Your Humidifier is now ready for Storage.
6. Store in a cool, dry location.

Note: It is recommended to clean the unit again before use.

Automatic Refill Program

Select the shipment interval and Vornado will send replacement Filters automatically. Eliminate the hassle of remembering to reorder. Maintain the high efficiency of your Vornado Humidifier.

To sign up, visit www.vornado.com, email consumerservice@vornado.com or call 1-800-234-0604. Cancel at anytime.

Part # **MD1-0002**

Troubleshooting

Problem	Possible Cause and Solution
Unit fails to power on.	Unit is not plugged in. Plug power cord into electrical outlet.
	Household circuit breaker / ground fault interrupter has tripped or blown a fuse. Reset circuit breaker / ground fault interrupter, or replace fuse. For assistance, contact a licensed electrician.
	The unit has blown a fuse. Cease usage and unplug. Contact Consumer Service for assistance.
	Unit is damaged or in need of repair. Cease usage and unplug. Contact Consumer Service for assistance.
Unit makes a bubbling or gurgling sound.	This is normal. Water is being dispensed into Base.
Unit is not producing desired amount of humidity.	Water level in Tank is empty or too low. Refill with clean, cool tap water. (See FILLING WATER TANK for instructions.)
	Unit has reached its set point. When set humidity level is reached, the Fan will turn off until humidity level in the room drops below humidity set point.
	Airflow is blocked. Remove obstruction.
	Unit settings are too low. Set to High Fan Speed and Continuous Humidity for maximum humidity output.
Filters are in need of replacement too often.	The additional sodium in chemically softened water may cause Filters to harden or become mushy. Try using untreated tap water or distilled water.
	Try adding Bacteriostat or Water Treatment found at most hardware or home specialty stores to the water. Or periodically remove the Filters and clean, by soaking them in cool tap water and two teaspoons of white vinegar. Let stand 20 minutes, then rinse in cool water. Allow excess water to run off and dry before replacing them in the Base. DO NOT wring.
	Water is too hard. Use distilled water.

Evaporative Vortex Humidifier • 5 Year Limited Warranty

Vornado Air LLC ("Vornado") warrants to the original consumer or purchaser this Vornado® Evaporative Vortex Humidifier ("Product") is free from defects in material or workmanship for a period of five (5) years from the date of purchase, depending on model. If any such defect is discovered within the warranty period, Vornado, at its discretion, will repair or replace the Product at no cost. Repairs not covered by the warranty or outside the warranty period will require a fee to cover the cost of materials, labor, handling and shipping.

This warranty does not apply to defects resulting from abuse of the Product, modification, alteration, repair or service of the Product by anyone other than Vornado, mishandling, improper maintenance, commercial use of the Product, damages which occur in shipment or are attributed to acts of God.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. VORNADO SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY APPLICABLE LAW, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ON THIS PRODUCT IS LIMITED IN DURATION TO THE DURATION OF THIS WARRANTY.

Some states do not allow the exclusion or limitation of incidental or consequential damages, or allow limitations on how long an implied warranty lasts, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may have other rights that vary from state to state.

For warranty or repair service, call 1-800-234-0604 or email consumerservice@vornado.com to obtain a Return Authorization ("RA") form. Please have or include your Product's model number and serial number, as well as your name, address, city, state, zip code and phone number when contacting Vornado for warranty service. After receiving the RA form, ship your Product to:

Vornado Air LLC
Attn: Warranty & Repair
415 East 13th Street
Andover, KS 67002

For your convenience, please have your model number and serial number when contacting Vornado with service inquiries. To assure proper handling, packages must be clearly marked with the RA number. Packages not clearly marked with the RA number may be refused at the receiving dock.
Please allow 1-2 weeks for repair and return of your Product after the Product is received.
For your records: Staple or attach your original sales receipt to this Owner's Guide. Please also write your products's serial number below (located on product specs decal).

Serial No. _____

Product registration available online at www.vornado.com
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Desembalaje del Humidificador

Extraiga el Humidificador de la caja de cartón levantándolo desde la parte inferior de la unidad. Si lo levanta del tirador empotrado del depósito de agua, puede que el depósito se desprenda y que la unidad se caiga y se dañe.

Recomendamos revisar que la base y el depósito de agua no presenten fugas que puedan haberse producido debido a daños durante el envío. Tenga en cuenta que una inspección visual tal vez no revele las roturas diminutas.

Para revisar si hay fugas:
Coloque el humidificador sobre una superficie resistente al agua. Llene de agua el depósito de agua y la base para inspeccionar si hay fugas (Para obtener instrucciones, vea LLENADO DEL DEPÓSITO DE AGUA).

¿No se observan fugas?
Vacíe el agua de la base e instale el depósito de agua completo (Para obtener instrucciones, vea LLENADO DEL DEPÓSITO DE AGUA).

¿Hay fugas?
En el remoto caso de que su humidificador tenga fugas, comuníquese con el servicio de atención al cliente de Vornado y reemplazaremos de inmediato las piezas dañadas.